[**Product Information**]

**Name:** Methylenetanshinquinone  
**Catalog No.:** CFN92179  
**Cas No.:** 67656-29-5  
**Purity:** > 98%  
**M.F:** C_{18}H_{14}O_{3}  
**M.W:** 278.3  
**Physical Description:** Cryst.  
**Synonyms:**  
1-Methyl-6-methyldene-6,7,8,9-tetrahydrophenanthro[1,2-b]furan-10,11-dione.

[**Intended Use**]  
1. Reference standards;  
2. Pharmacological research;  
3. Food and Cosmetic research;  
4. Synthetic precursor compounds;  
5. Intermediates & Fine Chemicals;  
6. Others.

[**Source**]  
The roots of *Salvia miltiorrhiza.*
[Biological Activity or Inhibitors]

Methylenetanshinquinone, isolated from Rhizomes of tanshen (Salvia miltiorrhiza Bung), has antioxidant activities, and shows strong activities comparable to that of BHA and BHT, it may have the potential of being used as natural antioxidants in foods and cosmetics.[1]

Methylenetanshinquinone has antiplasmodial and antitrypanosomal activities, it ranges from 4.1 µM to over 30 µM against P. falciparum K1 strain with selectivity indices (SI) from 0.3 to 1.9; IC50s against T. brucei rhodesiense STIB 900 are from 0.5µM to over 30µM, and it shows the greatest selective activity with an SI of 24.[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method][3]

Mobile phase: Methanol- 1% Acetic acid H2O=8:92 ;
Flow rate: 1.0 ml/min;
Column temperature: 30 °C;
The wavelength of determination: 280 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]


[Contact]

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